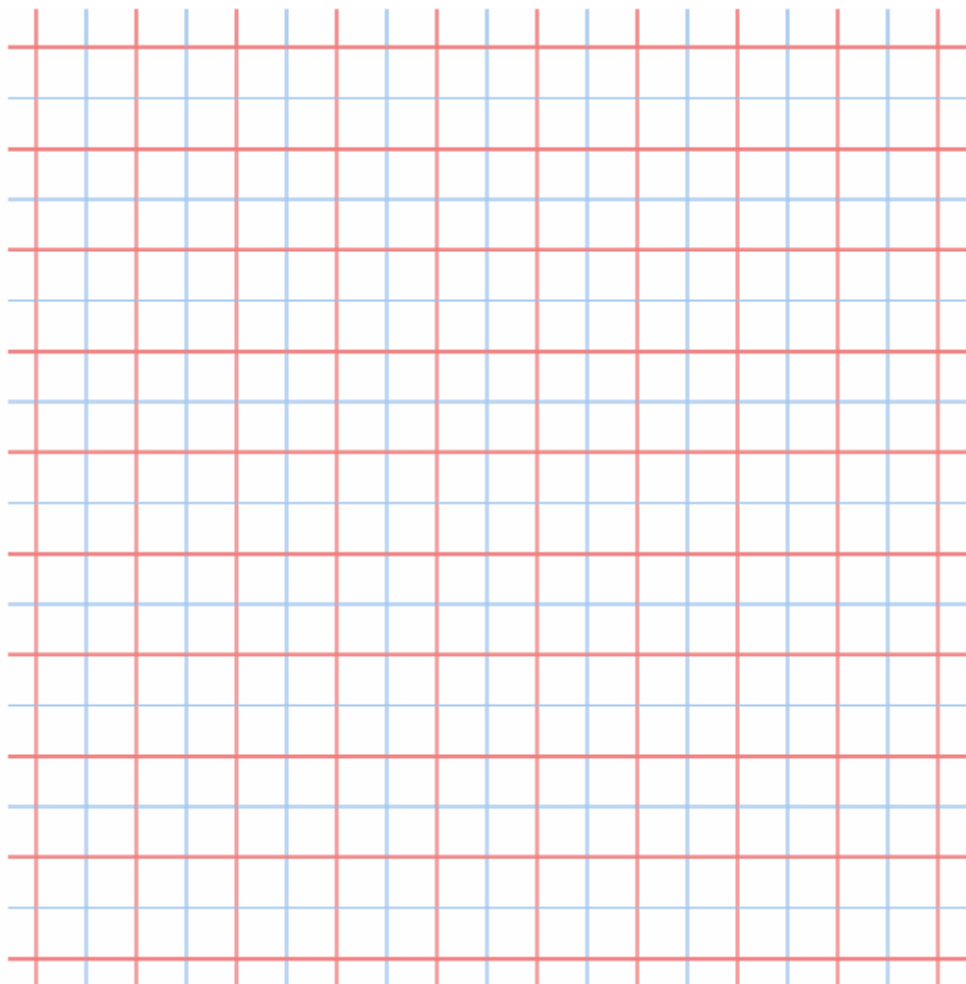


Line of Best Fit

Sometimes, especially in scientific experiments, the information in a table may not lie exactly on a straight line, If the information appears to be linear then we can draw the line of best fit for the information.

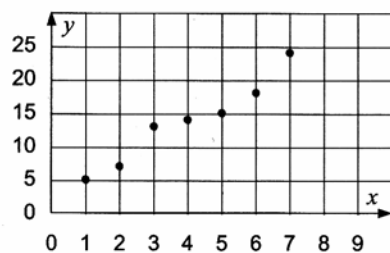
eg Graph the following information in this table and hence draw the line of best fit.

x	1	2	3	4	5	6	7
y	4	6	12	13	16	17	23

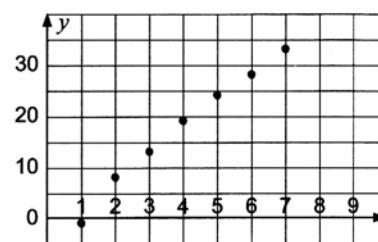


1 Copy these graphs and draw the line of best fit.

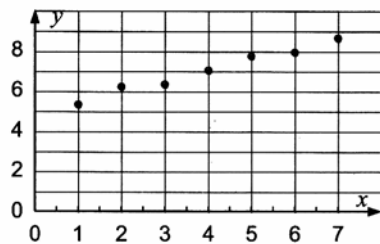
a



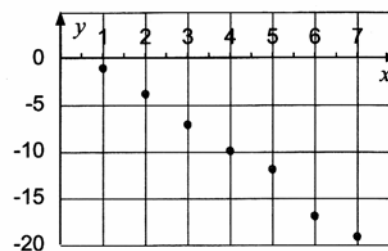
b



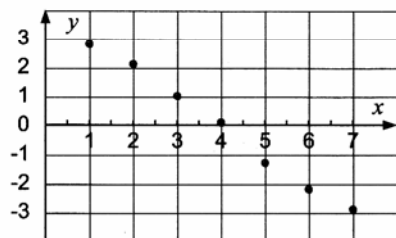
c



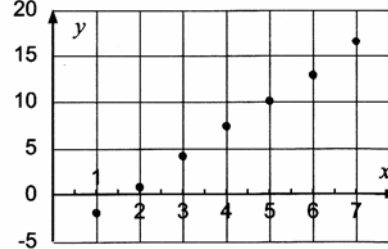
d



e



f



2 For each of the lines of best fit in question 1, find

a the gradient

b y -intercept

c equation of the line.